

# Mahim Chaudhary

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## EDUCATION

### Simon Fraser University

Burnaby, BC

*Bachelor of Science in Computing Science*

Sep. 2021 – Expected Graduation Date: Aug. 2026

- Relevant Coursework: Data Structures and Algorithms, Database Systems, Probability and Computing
- Certifications: Azure Fundamentals, Unit Testing for C# Developers, Presenter at EA Virtual Intern Fair 2024

## EXPERIENCE

### Software Developer Intern

May 2025 – Aug. 2025

**Amazon** | *Kotlin, TypeScript, AWS (Lambda, DynamoDB, API Gateway, CloudWatch, EventBridge)*

Vancouver, BC

- Designed and implemented an **Issue Management System** that monitors aggregated financial data, triggers alarms, and sends notifications, enabling **1000+ accountants** and multiple source teams to resolve critical issues in a timely manner
- Developed **backend services in Kotlin** and **frontend components in TypeScript**, including tables with advanced filters and validated forms for authorized users
- Leveraged **AWS Lambda** for complex workflows and CRUD operations on **DynamoDB**, scheduled hourly monitoring with **EventBridge**, and configured **API Gateway** endpoints with secure roles
- Integrated **CloudWatch metrics** to monitor error rates, latency, and endpoint health, improving observability and system reliability
- Achieved over **90% test coverage** by writing comprehensive unit and integration tests, and deployed and validated the system through the **AWS console**
- Collaborated with the product team to gather requirements, created and reviewed **high/low-level designs**, demoed the solution, and documented the Issue Management System with a detailed knowledge transfer guide

### Software Engineer Intern

May 2024 – Dec. 2024

**Electronic Arts** | *Angular, C#, GitLab, MySQL, RESTful APIs, Jira, Jenkins, Postman*

Vancouver, BC

- Improved tools portal performance by **24%** by reducing page load times, measured using browser and backend metrics
- Reduced data flow errors by **30%** by improving state management with **NgRx Store**, based on error logs and bug reports, while adhering to **SOLID principles** for a robust and scalable architecture
- Streamlined data retrieval and submission by designing and implementing **RESTful APIs** for fetching supported environments for a given game title, using **Postman** for testing
- Implemented the storage and management of all user activities, such as item grants, utilizing **MySQL** for efficient data handling and **ILogger** for comprehensive logging and monitoring
- Achieved an average of **86% test coverage** across **9 FC Live Tools** projects by creating and optimizing unit tests for complex scenarios using **NUnit** and mocking techniques.
- Enhanced project management and team collaboration by conducting **code reviews**, participating in sprint planning and retrospectives, and utilizing **Jira** and **Miro**

### Front End Web Developer

Aug. 2023 – Apr. 2024

**CJSF 90.1FM** | *JavaScript, CSS, HTML, Drupal CMS, GitLab*

Burnaby, BC

- Developed and maintained a fully responsive **fundraising website** using **JavaScript**, incorporating interactive features such as a live donation thermometer, which boosted user engagement by **21%** and contributed to a **12% increase in funding**
- Ensured efficient content updates and dynamic delivery using **Drupal CMS**, with **GitLab** for version control

## TECHNICAL PROJECT / STARTUP

### Co-Founder & Software Developer

Sep. 2025 – Present

**WayOrca** | *React, TypeScript, Next.js, Python, Go, AWS, GitHub (AWS Activate Founders Program)*

Burnaby, BC

- Designed **Postgres-backed** roadmap and resource models and implemented **auth-guarded RESTful APIs in Go** to support roadmap steps and resources with extensible querying
- Engineered **ETL pipelines in Python** to normalize **30k+ education records** for downstream recommendation systems
- Implemented a **career-field recommendation engine in Go** using weighted vector scoring to map user inputs to career data and rank top-matching fields
- Built **AWS CDK** infrastructure and **GitHub Actions CI/CD** using **OIDC**, deploying builds to **S3 + CloudFront** with automated cache invalidation
- Conducted a survey on how students make career decisions, collecting **150+ responses** and analyzing gaps in existing guidance to shape **core product requirements**

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, C#, Python, Java, Kotlin, SQL, HTML/CSS

**Frameworks & Libraries:** React, Angular, Spring, ASP.NET, NodeJS, Bootstrap, Tailwind CSS

**Databases, Infrastructure & Tools:** REST API, JSON, MongoDB, MySQL, Postman, AWS, Azure